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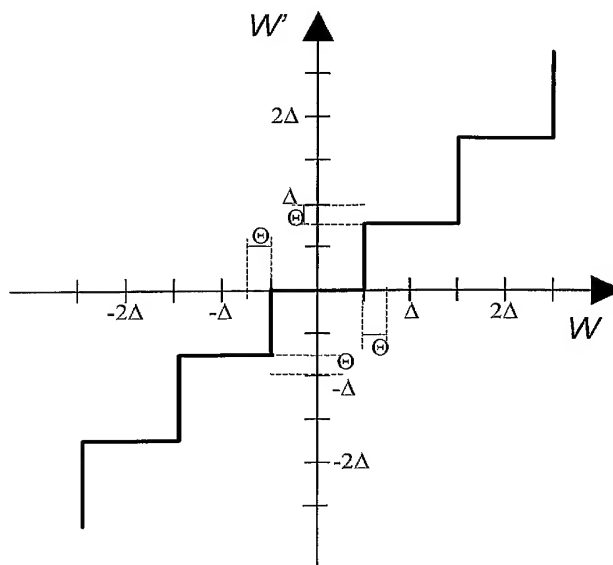
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(54) Title: ENCODING AND DECODING OF VIDEO IMAGES BASED ON A QUANTIZATION WITH AN ADAPTIVE DEAD-ZONE SIZE



(57) Abstract: The present invention enables to control the encoding of film grain information without adversely affecting the overall coding efficiency of the encoding process of video data. For this purpose, a control of the size of the quantization interval for the lowest transform coefficient values is separated from a control of fitting the quantization interval and the quantized value to a probability distribution of the transform coefficient values. This is accomplished by providing a dead-zone parameter to be taken into account by the quantization process and the de-quantization process.

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